REVISION LETTER For Disc 24-2009 Licensed to npan. Printed on 18 Dec 2009. **JEPPESEN**

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Page 1

Changed chart(s) since Disc 23-2009

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT PROCEDURE IDENT

INDEX REV DATE

EFF DATE

No revision activity since Disc 23-2009

TERMINAL CHART NOTAMS

No Chart NOTAMs for Airport USTR

Airport Information

USTR (Roshchino)

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General Info

Tyumen, RUS

N 57° 10.1' E 65° 19.0' Mag Var: 13.9°E

Elevation: 377'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 uses DST

Runway Info

Runway 03-21 9852' x 148' asphalt Runway 12-30 8871' x 164' asphalt

Runway 03 (34.0°M) TDZE 371'

Lights: Edge, ALS

Runway 12 (120.0°M) TDZE 315'

Lights: Edge, ALS

Runway 21 (214.0°M) TDZE 341'

Lights: Edge, ALS

Runway 30 (300.0°M) TDZE 344'

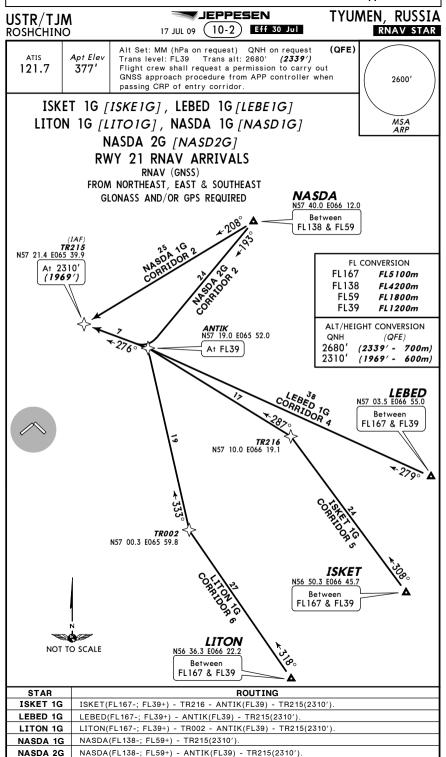
Lights: Edge, ALS

Communications Info

ATIS 121.7

Tyumen Taxiing Tower 119.0 Tyumen Start Tower 118.2 Tyumen Approach Control 126.1 Tyumen Krug Radar 120.4

Notebook Info

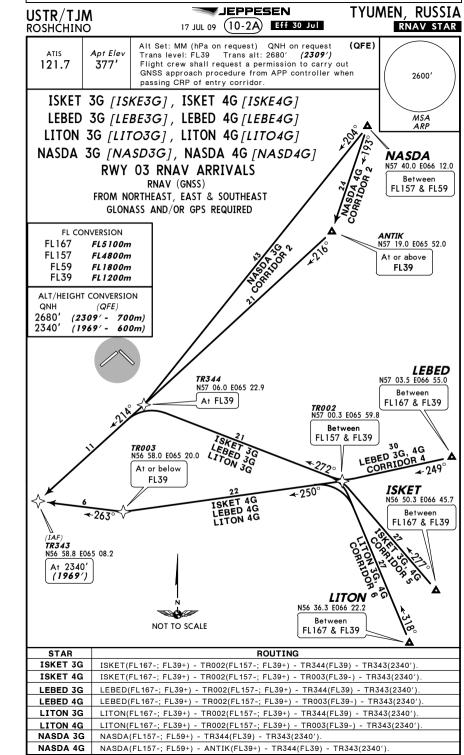


CHANGES: RNAV STARs established; STARs transferred.

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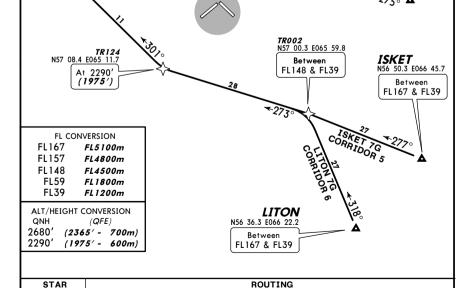


JEPPESEN TYUMEN, RUSSIA USTR/TJM (10-2B) Eff 30 Jul RNAV STAR ROSHĆHINO Alt Set: MM (hPa on request) QNH on request Trans level: FL39 Trans alt: 2680' (2336') (QFE) ATIS Apt Elev 121.7 377' Flight crew shall request a permission to carry out GNSS approach procedure from APP controller when 2600' passing CRP of entry corridor ISKET 5G [ISKE5G] LEBED 5G [LEBE5G] MSA ARP LITON 5G [LITO5G] NASDA 5G [NASD5G] **NASDA** N57 40.0 E066 12.0 **RWY 30 RNAV ARRIVALS** Between RNAV (GNSS) FL157 & FL59 FROM NORTHEAST, EAST & SOUTHEAST GLONASS AND/OR GPS REQUIRED NOT TO SCALE TR306 N57 06.9 E065 44.4 **LEBED**N57 03.5 E066 55.0 At 3300 (2956') Between FL167 & FL39 TRO02 N57 00.3 E065 59.8 At or below FL49 < 249 LEBED 5G CORRIDOR 4 FL CONVERSION FL167 FL5100m FL157 FL4800m FL59 FL1800m ISKET FL49 FL1500m N56 50.3 E066 45.7 FL39 FL1200m Between FL167 & FL39 ALT/HEIGHT CONVERSION QNH (QFE) 3300' (2956' - 900m) LITON 2680' (2336' - 700m) N56 36.3 E066 22.2 Between FL167 & FL39 STAR ROUTING **ISKET 5G** ISKET(FL167-; FL39+) - TR002(FL49-) LEBED 5G LEBED(FL167-; FL39+) - TR002(FL49-) LITON 5G LITON(FL167-; FL39+) - TR002(FL49-) NASDA 5G NASDA(FL157-; FL59+) - TR306(3300')

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NOT TO SCALE

TR123

At 2290'

(1975')

N57 16.0 E064 57.5

LEBED

N57 03.5 E066 55.0

Between

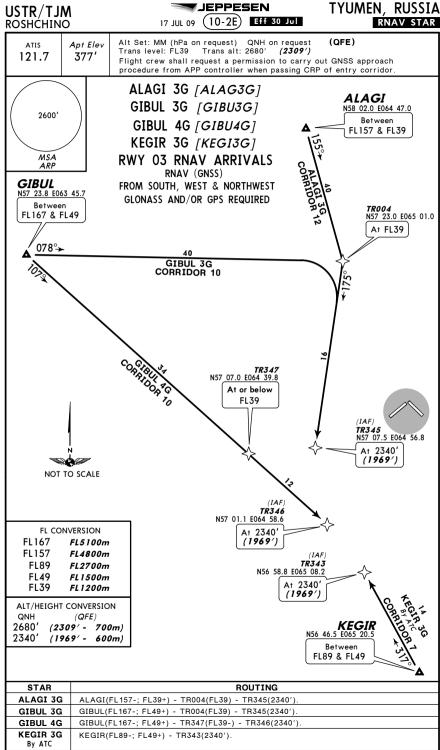
FL167 & FL39

JEPPESEN TYUMEN, RUSSIA USTR/TJM (10-2D) Eff 30 Jul RNAV STAR ROSHĆHINO (QFE) Alt Set: MM (hPa on request) QNH on request ATIS Apt Elev Trans level: FL39 Trans alt: 2680' (2339') 121.7 377' Flight crew shall request a permission to carry out GNSS approach procedure from APP controller when passing CRP of entry corridor. ALAGI ALAGI 1G [ALAGIG] N58 02.0 E064 47.0 ALAGI 2G [ALAG2G] Between 2600' FL157 & FL39 GIBUL 1G [GIBU1G] KEGIR 1G [KEGI1G] **RWY 21 RNAV ARRIVALS** MSA RNAV (GNSS) FROM SOUTH, WEST & NORTHWEST GLONASS AND/OR GPS REQUIRED TR213 N57 23.8 E065 28.0 **GIBUL** At 2310' N57 23.8 E063 45.7 (1969')Between **TRO04** N57 23.0 E065 01.0 FL167 & FL49 At FL39 078°→ GIBUL 1G 073°→ CORRIDOR 10 TR214 N57 19.4 E065 19.1 NOT TO SCALE FL CONVERSION FL167 FL5100m FL157 FL4800m TR003 FL148 FL4500m N56 58.0 E065 20.0 FL69 FL2100m Between FL49 FL1500m FL148 & FL69 FL39 FL1200m ALT/HEIGHT CONVERSION QNH **KEGIR** N56 46.5 E065 20.5 2680' (2339' - 700m) 2310' (1969' - 600m) Between FL167 & FL49 STAR ROUTING ALAGI 1G ALAGI(FL157-; FL39+) - TR004(FL39) - TR213(2310') ALAGI(FL157-; FL39+) - TR213(2310') ALAGI 2G **GIBUL 1G** GIBUL(FL167-; FL49+) - TR004(FL39) - TR213(2310') **KEGIR 1G** KEGIR(FL167-; FL49+) - TR003(FL148-; FL69+) - TR214 - TR213(2310').

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By ATC

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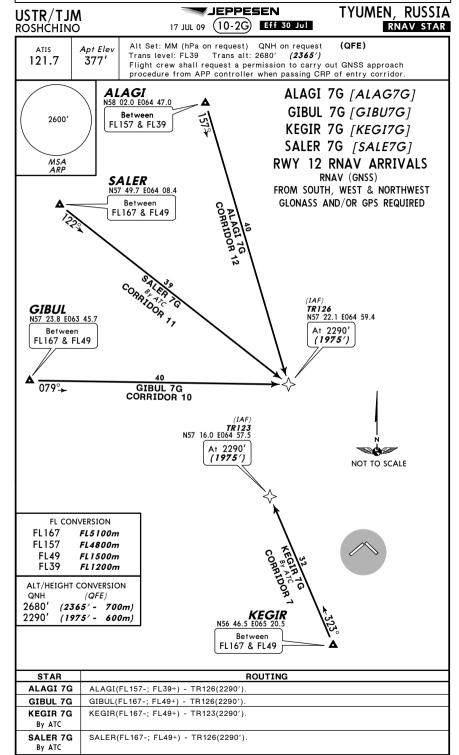


JEPPESEN TYUMEN, RUSSIA USTR/TJM 10-2F) Eff 30 Jul RNAV STAR ROSHĆHINO (QFE) Alt Set: MM (hPa on request) QNH on request Apt Elev ATIS Trans level: FL39 Trans alt: 2680' (2336') 121.7 377' Flight crew shall request a permission to carry out GNSS approach procedure from APP controller when passing CRP of entry corridor ALAGI 5G [ALAG5G] ALAGI N58 02.0 E064 47.0 ALAGI 6G [ALAG6G] Between 2600' FL157 & FL39 GIBUL 5G [GIBU5G] KEGIR 5G [KEGI5G] SALER 5G [SALE5G] MSA ARP **RWY 30 RNAV ARRIVALS SALER** N57 49.7 E064 08.4 RNAV (GNSS) Between FROM SOUTH, WEST & NORTHWEST FL167 & FL49 GLONASS AND/OR GPS REQUIRED **GIBUL** N57 23.8 E063 45.7 (IAF) TR306 Between N57 06.9 E065 44.4 FL167 & FL49 TR305 At 3300' N57 11.8 E065 18.6 (2956') CORRIDOR 10 TR304 N57 04.1 E065 19.2 FL CONVERSION FL167 FL5100m TR303 FL157 FL4800m N56 58.7 E065 29.0 FL69 FL2100m At 2320' FL49 FL1500m (1976')FL39 FL1200m ALT/HEIGHT CONVERSION QNH (QFE) 3300 (2956' - 900m) 2680' (2336' - 700m) **KEGIR** N56 46.5 E065 20.5 2320' (1976' - 600m) Between FL69 & FL49 NOT TO SCALE ROUTING STAR ALAGI 5G ALAGI(FL157-; FL39+) - TR306(3300'). ALAGI 6G ALAGI(FL157-; FL39+) - TR305 - TR304 - TR303(2320') **GIBUL 5G** GIBUL(FL167-; FL49+) - TR303(2320' **KEGIR 5G** KEGIR(FL69-; FL49+) - TR303(2320') By ATC SALER 5G SALER(FL167-: FL49+) - TR304 - TR303(2320') By ATC

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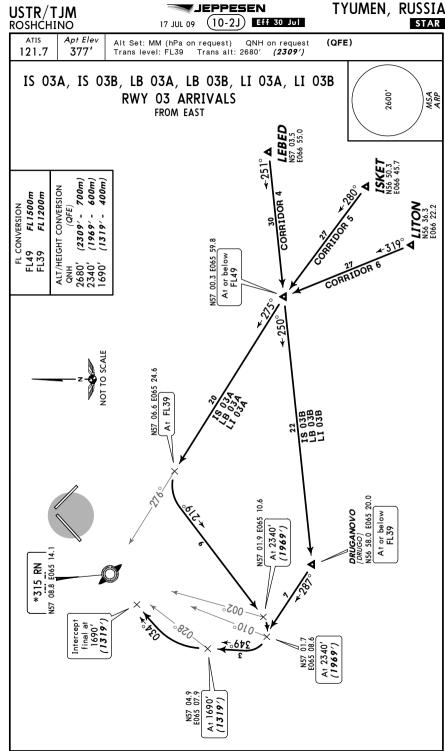
TYUMEN, RUSSIA JEPPESEN USTR/TJM ROSHCHINO (10-2H) Eff 30 Jul STAR Apt Elev (QFE) Alt Set: MM (hPa on request) QNH on request 121.7 377' Trans level: FL39 Trans alt: 2680' NA 03A, NA 03B, NA 03C 2600' **RWY 03 ARRIVALS** FROM NORTH **NASDA** N57 40.0 E066 12.0 Between FL157 & FL59 NOT TO SCALE CORRIDOR 2 **ANTIK** N57 19.0 E065 52.0 At or above FL69 *315_RN N57 08.8 E065 14.1 Intercept final at 1690' (1319') N57 04.9 E065 07.9 At 1690' (1319')FL CONVERSION FL157 FL4800m N57 02.3 E065 10.9 FL69 FL2100m FL59 FL1800m At 2340' FL39 (1969') FL1200m ALT/HEIGHT CONVERSION N57 01.9 E065 10.6 (QFE) (002° brg to RN) (2309' - 700m) 2680' At 2340' (1969' - 600m) (1969') 1690' (1319' - 400m)

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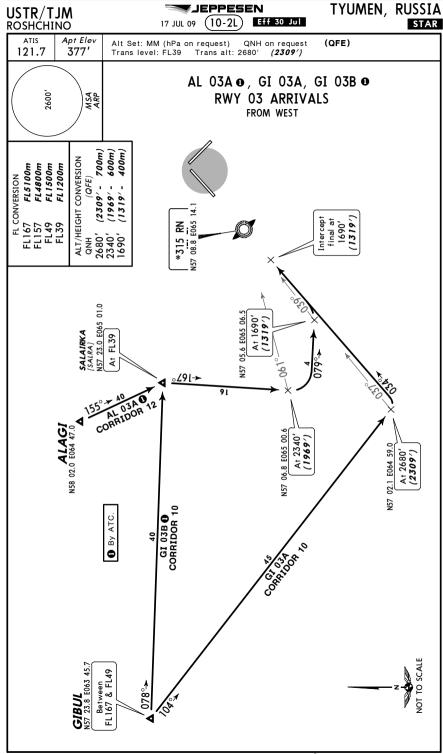
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TYUMEN, RUSSIA JEPPESEN USTR/TJM (10-2K) Eff 30 Jul STAR ROSHCHINO Apt Elev 377' (QFE) Alt Set: MM (hPa on request) QNH on request 121.7 Trans level: FL39 Trans alt: 2680' 2600' KE 03A RWY 03 ARRIVAL FROM SOUTH MSA By ATC *315 RN N57 08.8 E065 14.1 Intercept final at 1690' (1319')N57 04.9 E065 07.9 At 1690' (1319')N57 02.3 E065 07.7 At 2340 (1969') **KEGIR** N56 46.5 E065 20.5 Between FL89 & FL49 FL CONVERSION FL89 FL2700m FL49 FL1500m FL39 FL1200m ALT/HEIGHT CONVERSION (QFE) QNH NOT TO SCALE 2680' (2309' - 700m) (1969' - 600m) 2340' 1690' (1319' - 400m)

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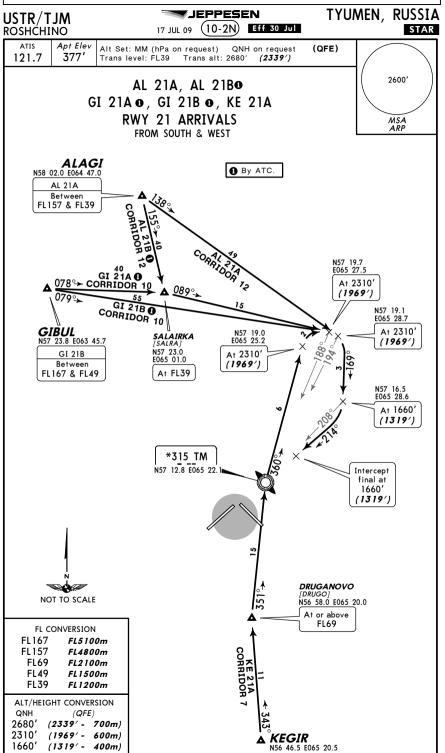
TYUMEN, RUSSIA JEPPESEN USTR/TJM (10-2M) Eff 30 Jul STAR ROSHĆHINO Apt Elev Alt Set: MM (hPa on request) QNH on request Trans level: FL39 Trans alt: 2680' (2339') 121.7 377' IS 21A, LB 21A, LI 21A, NA 21A, NA 21B **RWY 21 ARRIVALS** FROM NORTH & EAST Between FL167 & FL39 **NASDA** N57 40.0 E066 12.0 N57 00.3 E065 59.8 214 214 214 LEIS 24.0 E065 43.0 At or below FL39 At 2310' (1969') *315 TM N57 12.8 E065 22.1

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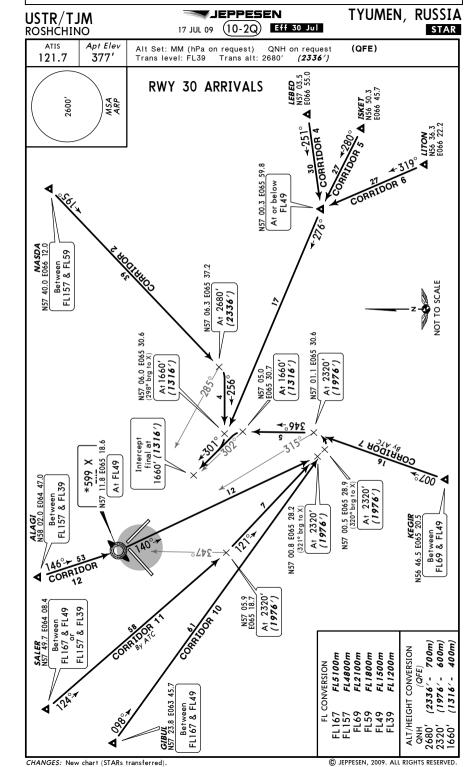
TYUMEN, RUSSIA JEPPESEN USTR/TJM (10-2P) Eff 30 Jul STAR ROSHĆHINO 17 JUL 09 Apt Elev Alt Set: MM (hPa on request) QNH on request (QFE) 121.7 377 Trans level: FL39 Trans alt: 2680' (2365') **SALER** N57 49.7 E064 08.4 **RWY 12 ARRIVALS** 2600' **ALAGI** N58 02.0 E064 47.0 At or above FL49 Between FL157 & FL39 **NASDA** N57 40.0 E066 12.0 MSA ARP Between Δ FL157 & FL59 **GIBUL** N57 23.8 E063 45.7 N57 19.2 E065 11.4 (138° brg to X) Between At 1630' (1315') FL167 & FL49 **LEBED** N57 03.5 E066 55.0 <u>084°</u> Between CORRIDOR 10 FL157 & FL39 N57 17.1 E065 10.0 (124° brg to X) CORRIDOR 4 N57 15.6 E065 01.4 At 1630' (**1315**') (098° brg to X) 076°→ At 2290' (1975') N57 16.8 E065 08.9 Intercept final at At 1630 N57 15.1 E065 01.9 1630' (1315') (1315')(096° brg to X) At 2290 (1975') *599 X N57 11.8 E065 18.6 N57 00.3 E065 59.8 At or above FL69 N57 08.6 E065 14.0 At 2290' CORRIDOR 5 (1975')ISKET N56 50.3 E066 45.7 NOT TO SCALE FL CONVERSION FL167 FL5100m FL157 FL4800m FL69 FL2100m FL59 FL1800m FL49 FL1500m FL39 FL1200m **KEGIR** N56 46.5 E065 20.5 ALT/HEIGHT CONVERSION QNH (QFE) Between 2680' (2365' - 700m) FL167 & FL49 (1975' - 600m) (1315' - 400m) 1630'

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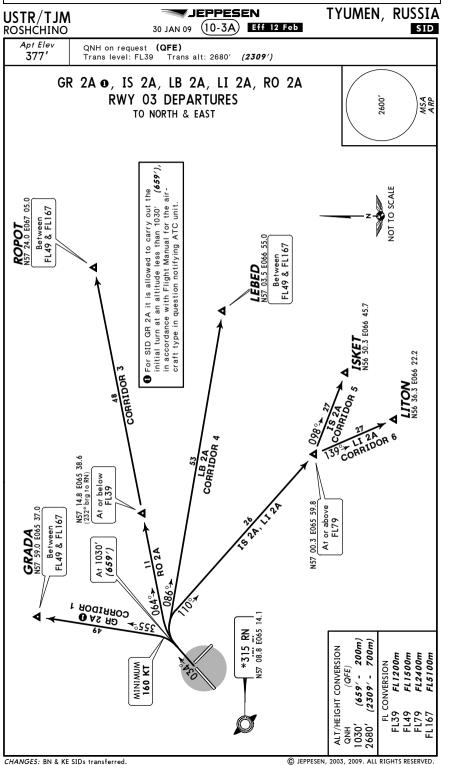


TYUMEN, RUSSIA JEPPESEN USTR/TJM ROSHCHINO 10-3 Eff 12 Feb SID Apt Elev QNH on request **(QFE)** Trans level: FL39 Trans alt: 2680' . 377' GR 1A, IS 1A, IS 1B, LB 1A, LB 1B LI 1A, LI 1B, RO 1A MSA **RWY 21 DEPARTURES** TO NORTH & EAST **ROPOT** N57 24.0 E067 05.0 Between FL49 & FL167 NOT TO 139° 1A. 1B 6 CORRIDOR 6 020 At or above FL79 N57 00.3 E065 59.8 **GRADA**N57 59.0 E065 37.0 GR 1A, IS 1A, LB 1A, LI 1A, RO 1A Turn at 1000' (659') Between FL59 & FL167 18, LB 18, LI *315 TM N57 12.8 E065 22.1 CORRIDOR 1 MAX 160 KT At or above FL59 N57 19.7 E065 24.7 At or above FL49 15.9 E065 16.9 ALT/HEIGHT CONVERSION QNH (QFE) MINIMUM 160 KT At 1660' (1319') FL39 FL49 FL59 FL79

CHANGES: SIDs BN 1A, 1B & KE 1A transferred.

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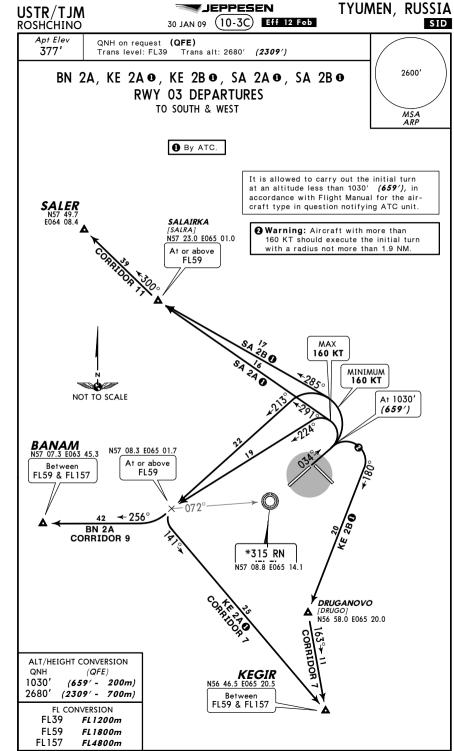
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TYUMEN, RUSSIA JEPPESEN USTR/TJM 30 JAN 09 (10-3B) Eff 12 Feb ROSHĆHINO Apt Elev QNH on request (QFE) 377' Trans level: FL39 Trans alt: 2680' (2339') 2600' BN 1A, BN 1B, KE 1A •, SA 1A •, SA 1B • **RWY 21 DEPARTURES** TO SOUTH & WEST MSA By ATC. **SALER** N57 49.7 E064 08.4 Between FL39 & FL157 NOT TO SCALE It is allowed to carry out the initial turn at an altitude less than 1000' (659'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit. **BANAM** N57 07.3 E063 45.3 160 KT Between FL39 & FL157 BN 1A, KE 1A, BN 1A CORRIDOR 9 **←**254 Turn at 56 1000' (659') BN 1B CORRIDOR 9 160 KT MINIMUM 160 KT At 1660' (1319') ALT/HEIGHT CONVERSION (QFE) KEGIR 1000' (659' - 200m) 1660' (1319' - 400m) Between 2680' (2339' - 700m) FL59 & FL157 FL CONVERSION FL39 FL1200m FL59 FL1800m FL157 FL4800m

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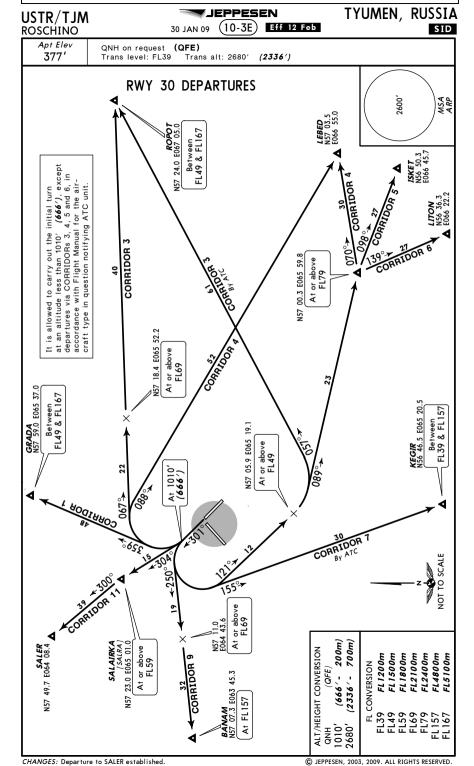
TYUMEN, RUSSIA USTR/TJM ROSHCHINO **JEPPESEN** (10-3D) Eff 12 Feb SID 30 JAN 09 Apt Elev QNH on request (QFE) 377' Trans level: FL39 Trans alt: 2680' (2365') **RWY 12 DEPARTURES ISKET** N56 50.3 E066 45.7 2600' **ROPO1** E067 05.0 Between FL49 & FL167 4 Between FL49 & FL167 N57 00.3 E065 It is allowed to carry out the initial turn at an affitude less than 980" (6657), except departures via CORRIDORS 3, 4, 5 and 6, in accordance with Flight Manual for the aircraft type in question notifying ATC unit. NOT TO SCALE 5.420 120 **093**∘ MAX 165 KT At 2290' (1975') MINIMUM 165 KT At FL39 Turn at 980′ (**665**′) **GRADA** N57 59.0 E065 37. Between FL49 & FL167 290 XZ NS7 12.7 E065 17.0 CORRIDOR By ATC CORRIDOR 7 163°≻ **DRUGANOVO**[DRUGO]
N56 58.0 E065 20.0 **KEGIR** N56 46.5 E065 20.5 Between FL39 & FL157 **SALER** N57 49.7 E064 08.4 Between FL39 & FL157 CORRIDOR N57 08.6 E065 13.9 At FL49 ALT/HEIGHT CONVERSION QNH (*Q6E*) 980' (*665'* - *200m*) 2290' (*1975'* - *600m*) 2680' (*2365'* - *700m*) FL 1200m FL 1500m FL4800m FL5100m FL CONVERSION FL39 FL1200m FL49 FL1500m FL157 FL4800m FL167 FL5100m Between FL39 & FL157 **BANAM** N57 07.3 E063

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CHANGES: Departure to SALER established.

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USTR/TJM Apt Elev 377' N57 10.1 E065 19.0 TYUMEN, RUSSIA **JEPPESEN** 30 JAN 09 (10-9) Eff 12 Feb **ROSHCHINO** TYUMEN Taxiing (TWR) Start (TWR) 121.7 119.0 118.2 Lctr ⊚ Helicopter activity. Birds. Western Central Eastern Apron 344' FOR PARKING POSITIONS SEE 10-9A ♠ ARP ADDITIONAL RUNWAY INFORMATION
USABLE LENGTHS
LANDING BEYOND Glide Slope RWY Threshold TAKE-OFF WIDTH 8572' 2613m 9524' 2903m 03 HIRL (60m) ALS PAPI-L(angle 2.67°) RVR 21 HIRL (60m) HIALS PAPI-L(angle 2.67°) RVR 8769' 2673m ⁰³**0**₂₁ 328' Grass runway 100m 12 RL (50m) ALS PAPI-L(angle 2.67°) RVR 8543' 2604m 30 RL (50m) ALS PAPI-L(angle 3.00°) RVR • First 328'/100m unusable for take-off. 2 For emergency landing only.

TAKE-OFF						
i	AIR CARRIER (JAA)					
	All Rwys					
	LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL				
A B C D	250m	400m				
D	300m					

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CHANGES: Apt & rwy elev.

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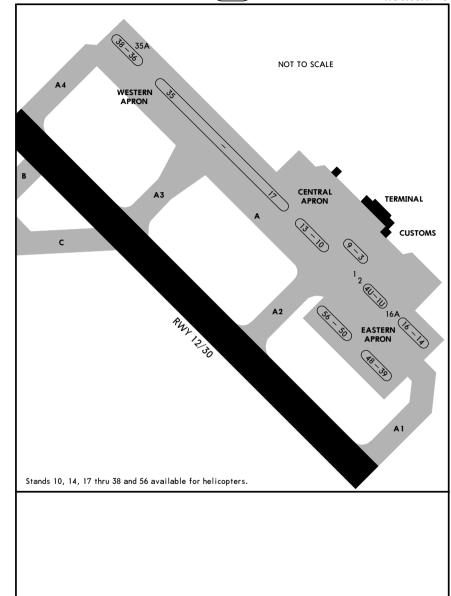
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TYUMEN, RUSSIA

30 JAN 09 (10-9A)

Eff 12 Fob

ROSHCHINO



JEPPESEN JeppView 3.6.3.1

USTR/TJM

JEPPESEN
JEPPESEN
10-9X) Eff 30 Jul

JAA MINIMUMS
TYUMEN, RUSSIA
ROSHCHINO

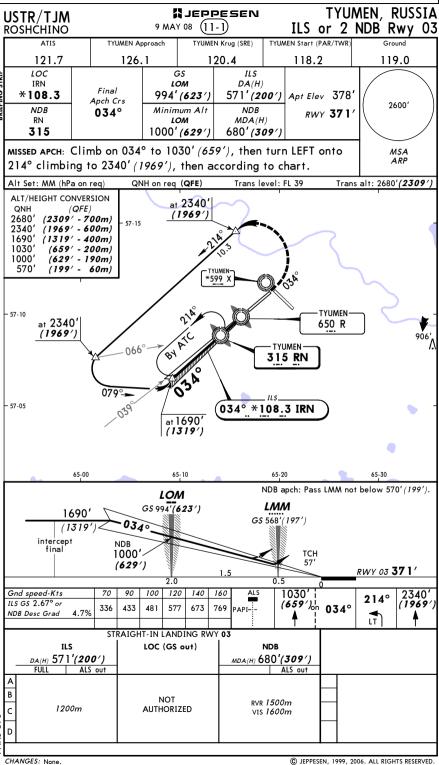
CTRAICHT IN BWV		A B C D				
STRAIGHT-IN RWY			_			
03	ILS	571 ′(200′)	571 ′(200′)	571 ′(200′)	571 ′(200′)	
		R800m	R800m	R800m	R800m	
	ALS out	R1000m	R1000m	R1000m	R1000m	
	LOC	NOT				
		AUTHORIZED				
	RNAV	680 ′(309 ′)				
		R1300m	R1400m	R1600m	R1800m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
	2 NDB	680 ′(309 ′)	680 ′(309′)	680 ′(309′)	680 ′(309 ′)	
		R1300m	R1400m	R1600m	R1800m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
12	RNAV	660 ′(345′)	660′(345′)	660 ′(345′)	660′(345′)	
		R1300m	R1400m	R1600m	R1800m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
	2 NDB	640 ′(325′)	640 ′(325′)	640 ′(325′)	640 ′(325′)	
		R1300m	R1400m	R1600m	R1800m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
21	ILS	541 ′(200′)	541 ′(200′)	541 ′(200′)	541 ′(200′)	
		R550m	R550m	R550m	R550m	
	ALS out	R1000m	R1000m	R1000m	R1000m	
	LOC	NOT				
		AUTHORIZED				
	RNAV	650 ′(309′)	650 ′(309′)	650 ′(309′)	650 ′(309′)	
		R900m	R1000m	R1000m	R1400m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
	2 NDB	670 ′(329′)	670 ′(329′)	670 ′(329′)	670 ′(329 ′)	
		R900m	R1000m	R1000m	R1400m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
30	RNAV	710 ′(366′)	710′(366′)	710 ′(366′)	710 ′(366′)	
		R1300m	R1400m	R1600m	R1800m	
	ALS out	R1500m	R1500m	R1800m	R2000m	
	NDB	1050′(706′)	1050′(706′)	1050′(706′)	1050 ′(706′)	
		R1500m	R1500m	R2000m	R2000m	

TAKE-OFF RWY 03, 12, 21, 30								
LVP must be in Force		I						
RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)						
A B C	400m	500m						
D 300m								

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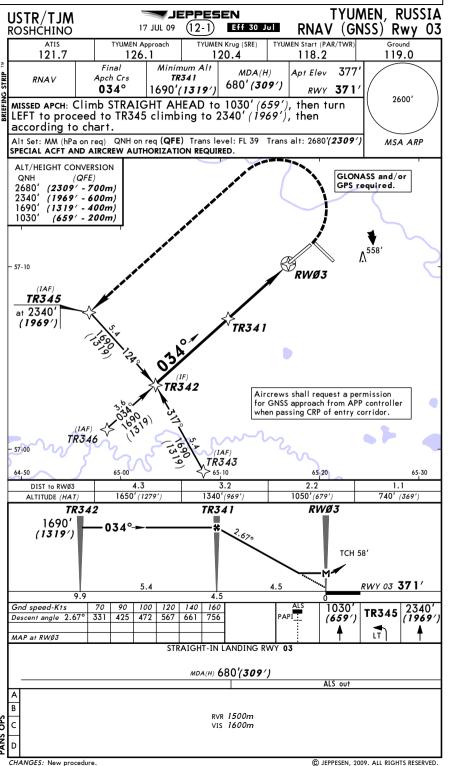
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JeppView 3.6.3.1 TYUMEN, RUSSIA #JEPPESEN USTR/TJM (11-2)ILS or 2 NDB Rwy 21 9 MAY 08 ROSHĆHINO ATIS TYUMEN Approach TYUMEN Krug (SRE) TYUMEN Start (PAR/TWR 121.7 126.1 120.4 118.2 119.0 LOC ILS ITM DA(H) GS/ Final ***110.7** Minimum Alt 541'(200') Apt Elev 378 Apch Crs 2600' LOM NDB 214° RWY 341 1030' (689') MDA(H)315 670' (329') MISSED APCH: Climb on 214° to 1000′ (659′), then turn RIGHT onto MSA 034° climbing to 2310′ (1969′), then according to chart. Alt Set: MM (hPa on req) QNH on req (QFE) Trans alt: 2680' (2339' Trans level: FL 39 ALT/HEIGHT CONVERSION (QFE) ОИН at 2310 2680' (2339' - 700m) (1969')2310' (1969' - 600m) 1660' (1319' - 400m) 1030' (689' - 210m) (659' - 200m) 1000' at 1660' 580' (239' - 70m) (1319') at 2310' (1969') -214° *110.7 ITM TYUMEN -315 TM - 57-10 650 T 906' 1030' 65-10 65-30 65-40 NDB apch: Pass LMM not below 580' (239') LOM **LMM** GS1030'(689') 1660 GS 571'(230') intercept final TCH 1030 (689')RWY 21 341' 90 | 100 | 120 | 140 | 160 | HIALS Gnd speed-Kts 70 1000' i 2310′ (1969′ 034° (659')on 214° ILS GS 2.67° or 336 433 481 577 673 769 NDB Desc Grad STRAIGHT-IN LANDING RWY 21 ILS LOC (GS out) DA(H) 541'(200') MDA(H) 670'(329') ALS out ALS out RVR 1500m 1200m NOT VIS 1600m RVR 720m 1200m **AUTHORIZED** VIS 800m RVR 1500m VIS 1600m

CHANGES: Navaids idents.

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TYUMEN, RUSSIA **JEPPESEN** USTR/TJM (12-2) Eff 30 Jul RNAV (GNSS) Rwy 12 17 JUL 09 ROSHĆHINO ATIS TYUMEN Approach TYUMEN Krua (SRE) TYUMEN Start (PAR/TWR) 121.7 119.0 126.1 120.4 118.2 Final Minimum Alt Apt Elev 377' MDA(H) Apch Crs TR121 RNAV 660' (345') 121° 1630'(1315') RWY 315' 2600' MISSED APCH: Climb STRAIGHT AHEAD to 980' (665'), then turn RIGHT to proceed to TR123 climbing to 2290' (1975'), then according to chart. Alt Set: MM (hPa on reg) QNH on reg (QFE) Trans level: FL 39 Trans alt: 2680'(2365') MSA ARP Special acft and aircrew authorization required. ALT/HEIGHT CONVERSION TR 125 TR 126 2680' (2365' - 700m) (1975' - 600m) 1630' (1315' - 400m) 980' (665' - 200m) - 57-20 GLONASS and/or GPS required. TR123 at 2290 (1975')TR121 RW12 V₂₂₈, - 57-10 Aircrews shall request a permission for GNSS approach from APP controller when passing CRP of entry corridor. 64-50 65-10 DIST to RW12 4.3 3.2 1.1 ALTITUDE (HAT) 1600'(1285') 1290'(975') 990'(675') 680'(365') TR121 RW12 TR122 1630' (1315')TCH 50' RWY 12 315' 10.0 Gnd speed-Kts 70 90 100 120 140 160 TR123 2290' 980' Descent angle 2.67° 331 425 472 567 661 756 (665') API--MAP at RW12 STRAIGHT-IN LANDING RWY 12 MDA(H) 660'(345') ALS out RVR 1500m VIS 1600m RVR 1800m

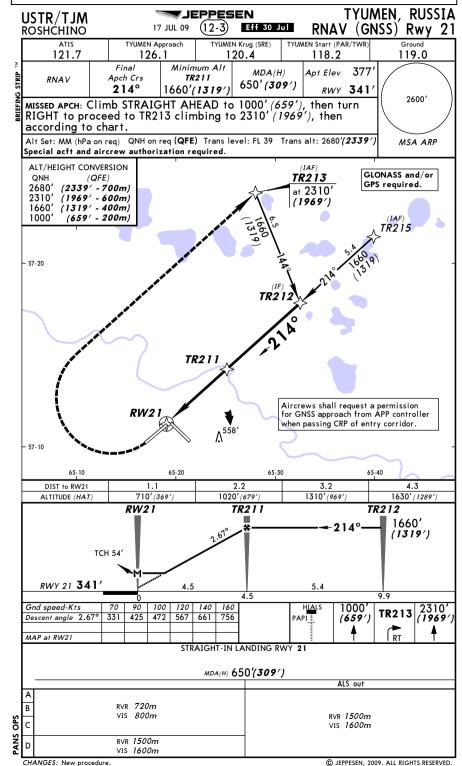
VIS 2000m

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CHANGES: New procedure.

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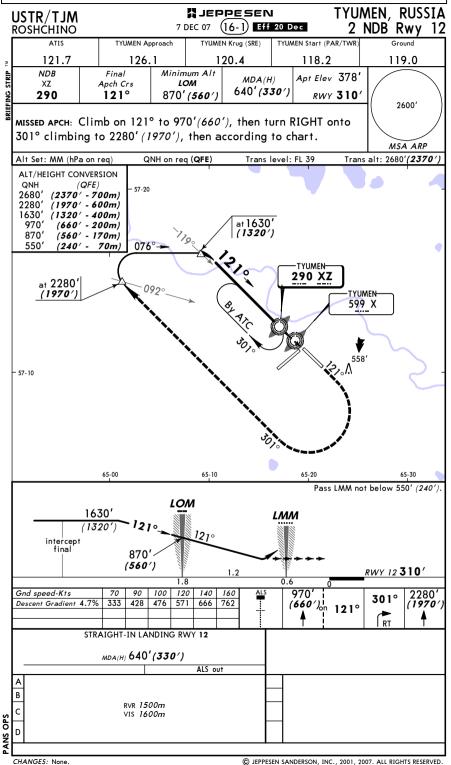
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TYUMEN, RUSSIA **JEPPESEN** USTR/TJM (12-4) Eff 30 Jul RNAV (GNSS) Rwy 30 17 JUL 09 ROSHĆHINO TYUMEN Krug (SRE) ATIS TYUMEN Approach TYUMEN Start (PAR/TWR) Ground 121.7 119.0 126.1 120.4 118.2 Final Minimum Alt Apt Elev 377' MDA(H) TR3Ø1 Apch Crs RNAV 710′ (366′) 301° 2320′(1976′) RWY 344' 2600' MISSED APCH: Climb STRAIGHT AHEAD to 1010' (666'), then LEFT to proceed to TR3Ø3 climbing to 2320' (1976'), then then turn according to chart. Alt Set: MM (hPa on reg) QNH on reg (QFE) Trans level: FL 39 Trans alt: 2680'(2336') MSA ARP Special acft and aircrew authorization required. ALT/HEIGHT CONVERSION Aircrews shall request a permission (2336 - 700m) for GNSS approach from APP controller when passing CRP of entry corridor. (1976' - 600m) 1010' (666' - 200m) RW3Ø GLONASS and/or GPS required. TR3Ø6 TR3Ø1 TR3Ø2 US(R)-93 - 57-00 TR3Ø3 at 2320 (1976') 65-10 65-40 65-50 65-20 DIST to RW3Ø 1.1 2.2 3.2 4.3 5.4 1430′(1086′) 740'(396') 1090'(746') 1780'(1436') 2120' (1776') ALTITUDE (HAT) RW3Ø TR3Ø1 TR3Ø2 (1976') TCH 50' RWY 30 344 4.3 6.0 10.3 70 90 100 120 140 160 TR3Ø3 2320' Gnd speed-Kts Descent angle 3.05° 378 486 540 648 755 863 (666') MAP at RW3Ø STRAIGHT-IN LANDING RWY 30 MDA(H) 710'(366') ALS out RVR 1500m VIS 1600m RVR 1800m VIS 2000m

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JEPPESEN Licensed to прап. Printed on 18 Dec 2009. JeppView 3.6.3.1 NOTICE: PRINTED FROM AN EXPIRED REVISION. Disc 24-2009 TYUMEN, RUSSIA MJEPPESEN. USTR/TJM ROSHCHINO NDB Rwy 30 7 DEC 07 (16-2) Eff 20 Dec TYUMEN Start (PAR/TWR) ATIS TYUMEN Approach TYUMEN Krug (SRE) 121.7 119.0 126.1 120.4 118.2 Minimum Alt Lctr Final Apt Elev 378' MDA(H) Χ Apch Crs No FAF 1050' (706') 599 301° RWY 344' 2600' MISSED APCH: Turn LEFT onto 121° climbing to 2320′ (1976′), then according to chart. MSA ARP Alt Set: MM (hPa on req) QNH on req (QFE) Trans alt: 2680' (2336' Trans level: FL 39 ALT/HEIGHT CONVERSION QNH (QFE) 2680' (2336' - 700m) -TYUMEN-599 X 2320' (1976' - 600m) 1660' (1316' - 400m) 1010' (666' - 200m) - 57-10 ^{906′} 1030' at 1660' (1316') at 2320' 65-30 65-40 Lctr 1660' (1316') intercept final RWY 30 344' 2320' (1976') 70 90 100 120 140 160 Gnd speed-Kts 121° Descent Gradient 5.2% 369 474 527 632 737 843 STRAIGHT-IN LANDING RWY 30 MDA(H) 1050'(706') ALS out 3200m 3600m

CHANGES: Minimums.

